UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/608,690	06/27/2003	Ram Gopal Lakshmi Narayanan	042933/263792	9684

826   7590   02/06/2008

ALSTON & BIRD LLP
BANK OF AMERICA PLAZA
101 SOUTH TRYON STREET, SUITE 4000
CHARLOTTE, NC 28280-4000

EXAMINER
WILLIAMS, JEFFERY L .

ART UNIT	PAPER NUMBER
2137	

MAIL DATE	DELIVERY MODE
02/06/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No.	Applicant(s)
	10/608,690	NARAYANAN, RAM GOPAL LAKSHMI
	Examiner	Art Unit	
	Jeffery Williams	2137	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE _____ MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☑ Responsive to communication(s) filed on 10/31/07

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☑ Claim(s) 1-20 is/are pending in the application.

  4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☑ Claim(s) 1-20 is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

  Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

  a)☐ All b)☐ Some * c)☐ None of:

    1.☐ Certified copies of the priority documents have been received.

    2.☐ Certified copies of the priority documents have been received in Application No. _____.

    3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

  * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1)☒ Notice of References Cited (PTO-892)

2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3)☐ Information Disclosure Statement(s) (PTO/SB/08)
  Paper No(s)/Mail Date _____.

4)☐ Interview Summary (PTO-413)
  Paper No(s)/Mail Date. _____.

5)☐ Notice of Informal Patent Application

6)☐ Other: _____.

1   **DETAILED ACTION**

2

3   This action is in response to the communication filed on 1/8/07.

4   All objections and rejections not set forth below have been withdrawn.

5   Claims 1 – 20 are pending.

6

7   *Continued Examination Under 37 CFR 1.114*

8

9   A request for continued examination under 37 CFR 1.114, including the fee set

10   forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this

11   application is eligible for continued examination under 37 CFR 1.114, and the fee set

12   forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action

13   has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on

14   10/31/07 has been entered.

15

16   *Claim Rejections - 35 USC § 102*

17

18   The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that

19   form the basis for the rejections under this section made in this Office action:

20   A person shall be entitled to a patent unless –

21
22   (b) the invention was patented or described in a printed publication in this or a foreign country or in public
23   use or on sale in this country, more than one year prior to the date of application for patent in the United
24   States.

1   **Claims 1 – 20 are rejected under 35 U.S.C. 102(b) as being anticipated by**

2   **Boden et al. (Boden), "System and Method for Managing Security Objects", U.S.**

3   **Patent 6,330, 562 in view of Shapira et al. (Shapira), "Virtual Private Netowrk**

4   **Mechanism Incorporating Security Association Processor", U.S. Patent 7,107,464.**

5

6   Regarding claim 1, Boden discloses:

7   *providing a plurality of security policies to be applied to traffic at least one of to or*

8   *from a host*(7:51-58), *wherein each security policy includes an application instance*

9   *identifier associated with a security service* (15:37-38; 4:17-22; fig. 3b:36; fig. 3d:58), *at*

10   *least two application instance identifiers being associated with different security services*

11   *that operate according to different protocols at different layers of a multi-layered*

12   *protocol stack* (8:29-38; 54-67 – Boden discloses a plurality of security services

13   associated with key management and data management. The security services

14   operating according to different protocols at different layers [ex. IKE vs. ESP, AH).

15   *and creating a plurality of security associations, at least two security associations*

16   *being created based upon respective different security services* (2:3-8) *associated with*

17   *at least one application instance identifier to thereby create a centralized key store*

18   *including the plurality of security policies and security associations* (figs. 3-3d; 3:23-36).

19   Boden discloses a security database utilized to provide security services.

20   However, Boden does not appear to explicitly recite that *at least one of the security*

21   *association being created according to a key management protocol that differs from the*

22   *protocols according to which the security services operate.*

1   Shapira also discloses a security database utilized to provide security services

2   (Shapira, 2:47-59; 6:66-7:10). Shapira teaches the method of security accociations

3   being created *according to a key management protocol that differs from the protocols*

4   *according to which the security services operate* (Shapira, 15:54-63, ssl vs. esp).

5   It would have been obvious to one of ordinary skill in the art to employ the

6   methods of Shapira within the system of Boden. This would have been obvious

7   because one of ordinary skill in the art would have been motivated by the advantages of

8   a more useful system (i.e. the ability to provision more security services).

9

10   Regarding claims 6 and 11 they are rejected, at least, for the same reasons as

11   claim 1, and because the combination further discloses:

12   *a first security gateway configured for providing a plurality of security policies* (fig.

13   1:18, 19) ... wherein the first security gateway is configured for *applying a security*

14   *service associated with an identified application instance identifier* (4:17-22) *to at least*

15   *one packet of data to thereby transform the at least one packet of data* (fig. 3:80),

16   *wherein the first security gateway is configured for applying the security service to the at*

17   *least one packet based upon at least one security policy and at least one security*

18   *association* (fig. 1; 3:60-4:4; 6:13-31)*; and a second security gateway configured for*

19   *applying the security service associated with the identified application instance identifier*

20   *to the at least one transformed packet of data to thereby generate a representation of*

21   *the at least one packet of data* (fig. 1; 3:60-4:4; 6:13-31);

1   *wherein the processor is configured to relay the at least one transformed packet*

2   (fig. 1:213; 3:60-4:4).

3

4   Regarding claims 2, 3, 9, 12, and 14, the combination further discloses a system

5   comprising sending and receiving gateways. Each gateway further comprises a key

6   management policy and a data management policy. Each of the specified policies

7   provides for associated security services. (3:60-4:22). Both the sending and receiving

8   gateways receive and transmit packets of which are transformed upon transmission or

9   reception according to the identified application of security services between nodes

10   (3:1-20; 3:60-4:16; fig. 1).

11

12   Regarding claims 4, 8, and 13, the combination further discloses:

13   *at least one security policy further including at least one selector field having at*

14   *least one selector value in a format common to a plurality of security service protocols,*

15   *and wherein applying the security service comprises applying the security service*

16   *further based upon the at least one security policy including the at least one selector*

17   *value* (11:table 1; figs. 3-3d; 13:1-50; 13:62-14:25). Boden discloses a security policy

18   having common selector fields utilized to provide security services in accordance with

19   the protocols defined by the policy.

20

21   Regarding claims 7, it is rejected, at least, for the same reasons as claims 1 and

22   6.

1

2   Regarding claims 5, 10, and 15, the combination further discloses *creating at*

3 *least one security association according to an Internet Key Exchange (IKE) technique*

4 (3:60-4:16).

5

6   Regarding claims 16 – 20, they are the features and limitations of the above

7 rejected claims embodies as computer instructions upon a medium. Thus, they are

8 rejected, at least, for the same reasons as the above rejected claims, and further

9 because the combination discloses *a computer program product for creating and*

10 *maintaining a centralized key store* (15:62-16:6).

11

12   ***Response to Arguments***

13

14   Applicant's arguments with respect to claims 1 - 20 have been considered but are

15 moot in view of the new ground(s) of rejection.

16

17   ***Conclusion***

18

19   The prior art made of record and not relied upon is considered pertinent to

20 applicant's disclosure:

21

22   ***See Notice of References Cited***

1

2   A shortened statutory period for reply is set to expire **3** months (not less than 90

3   days) from the mailing date of this communication.

4   Any inquiry concerning this communication or earlier communications from the

5   examiner should be directed to Jeffery Williams whose telephone number is (571) 272-

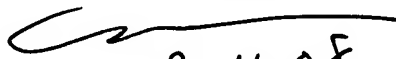6   7965. The examiner can normally be reached on 8:30-5:00.

7   If attempts to reach the examiner by telephone are unsuccessful, the examiner's

8   supervisor, Emmanuel Moise can be reached on (571) 272-3865. The fax phone

9   number for the organization where this application or proceeding is assigned is (703)

10   872-9306.

11   Information regarding the status of an application may be obtained from the

12   Patent Application Information Retrieval (PAIR) system. Status information for

13   published applications may be obtained from either Private PAIR or Public PAIR.

14   Status information for unpublished applications is available through Private PAIR only.

15   For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

16   you have questions on access to the Private PAIR system, contact the Electronic

17   Business Center (EBC) at 866-217-9197 (toll-free).

18

19
20   J. Williams   NASSER MOAZZAMI
21   AU 2137   SUPERVISORY PATENT EXAMINER
22   JW   TECHNOLOGY CENTER 2100

                                                 2/4/08